

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A medical guide wire in which at least a fluoro-resin coating layer is formed on a surface of a metal wire,
 - wherein the metal wire has a uniform thickness or a tapered tip;
 - wherein particulate matter is present in the fluoro-resin coating layer, and the fluoro-resin coating and the particulate matter are baked as a single unit; and
 - wherein the fluoro-resin coating layer covers the particulate matter and at least some of the particulate matter is formed in surface protrusion-shaped projections.
2. (Original) The medical guide wire according to claim 1,
 - wherein a primer layer is further formed within the fluoro-resin coating layer;
 - wherein particulate matter is present in at least one layer selected from the primer layer and the fluoro-resin coating layer; and
 - wherein the fluoro-resin coating layer of the outermost layer covers the particulate matter and at least some of the particulate matter is formed in surface protrusion-shaped projections.
3. (Currently Amended) The medical guide wire according to claim 1 ~~or~~ 2,
 - wherein the fluoro-resin coating layer includes particulate matter, the particulate matter is fluoro-resin, and the fluoro-resin coating and the particulate matter are baked as a single unit.
4. (Currently Amended) The medical guide wire according to claim 1 ~~or~~ 2,
 - wherein the fluoro-resin coating layer and the particulate matter include at least one selected from the group consisting of polytetrafluoroethylene (PTFE), tetrafluoroethylene-perfluoroalkylvinyl ether copolymer (PFA), polychlorotrifluoroethylene (PCTFE), polyvinylidene fluoride (PVDF), polyvinyl fluoride (PVF), tetrafluoroethylene-hexafluoropropylene copolymer (FEP), and tetrafluoroethylene-ethylene copolymer (PETFE).

5. (Currently Amended) The medical guide wire according to ~~any one of claims 1 to 4~~
claim 1,
wherein the thickness of the fluororesin coating layer is at least 1 μm and not more than 50 μm .
6. (Original) The medical guide wire according to claim 1,
wherein the average height of the projections is at least 0.1 μm and not more than 20 μm .
7. (Original) The medical guide wire according to claim 1,
wherein the fluororesin coating layer surface has a mixture of flat portions and numerous protrusion-shaped projections.
8. (Currently Amended) The medical guide wire according to ~~any one of claims 1, 6, or 7~~
claim 1,
wherein the density of the protrusion-shaped projections is at least an average of 1 per 0.01 mm^2 .
9. (Original) The medical guide wire according to claim 2,
wherein the particulate matter is present in the primer layer, and the particulate matter is fluororesin or a heat-resistant substance having a higher melting point than the fluororesin coating layer.
10. (Original) The medical guide wire according to claim 9,
wherein the particulate matter is at least one selected from the group consisting of glass particles, metal particles, plastic particles, inorganic particles, and ceramic particles.
11. (Original) The medical guide wire according to claim 9,
wherein an average particle diameter of the particulate matter is at least the film thickness of the primer layer, and the average particle diameter is in a range of 0.5 to 30 μm .

12. (Previously Presented) A method for manufacturing a medical guide wire in which at least a fluororesin coating layer is formed on a surface of a metal wire,

wherein the metal wire has a uniform thickness or a tapered tip;

wherein the method comprises:

mixing particulate matter for projections into a fluororesin dispersion to prepare a coating solution; and

applying the solution to the surface of the metal wire and drying the solution, and then baking by heating to at least the melting point of the fluororesin in the fluororesin dispersion; thereby

causing particulate matter to be present in the fluororesin coating layer;

wherein the fluororesin coating layer covers the particulate matter, the fluororesin coating layer and the particulate matter are baked as a single unit, and at least some of the particulate matter is formed in surface protrusion-shaped projections.

13. (Previously Presented) A method for manufacturing a medical guide wire in which a primer layer and a fluororesin coating layer are formed in that order on a surface of a metal wire,

wherein the metal wire has a uniform thickness or a tapered tip;

wherein the method comprises:

mixing particulate matter into at least one solution selected from a primer solution and a fluororesin dispersion solution;

applying the primer solution and the fluororesin dispersion solution to the surface of the metal wire in that order and drying them; and

then, in a final step, baking by heating to at least the melting point of the fluororesin in the fluororesin dispersion such that the fluororesin coating layer of the outermost layer covers the particulate matter and at least some of the particulate matter is formed in surface protrusion-shaped projections.

14. (Currently Amended) The method for manufacturing a medical guide wire according to claim 12 ~~or~~ 13,

wherein a fluororesin solid content concentration in the fluororesin dispersion solution for coating is 20 to 60 wt%.

15. (Currently Amended) The method for manufacturing a medical guide wire according to ~~any one of claims 12 to 14~~ claim 12,

wherein when A is an amount of the particulate matter that is added and B is the solid content of the fluororesin dispersion, then $[A/(A+B)] \times 100$ is 1 to 60 wt%.

16. (Currently Amended) The method for manufacturing a medical guide wire according to claim 12 ~~or 13~~,

wherein an average particle diameter of the particulate matter is 0.5 to 30 μm .

17. (Original) The method for manufacturing a medical guide wire according to claim 13,

wherein particulate matter is mixed into the primer resin solution to prepare a coating solution.

18. (Original) The method for manufacturing a medical guide wire according to claim 17,

wherein the amount of particulate matter that is present is 1 to 50 wt% with respect to the solid content mass of the primer resin solution.